

Fig.1

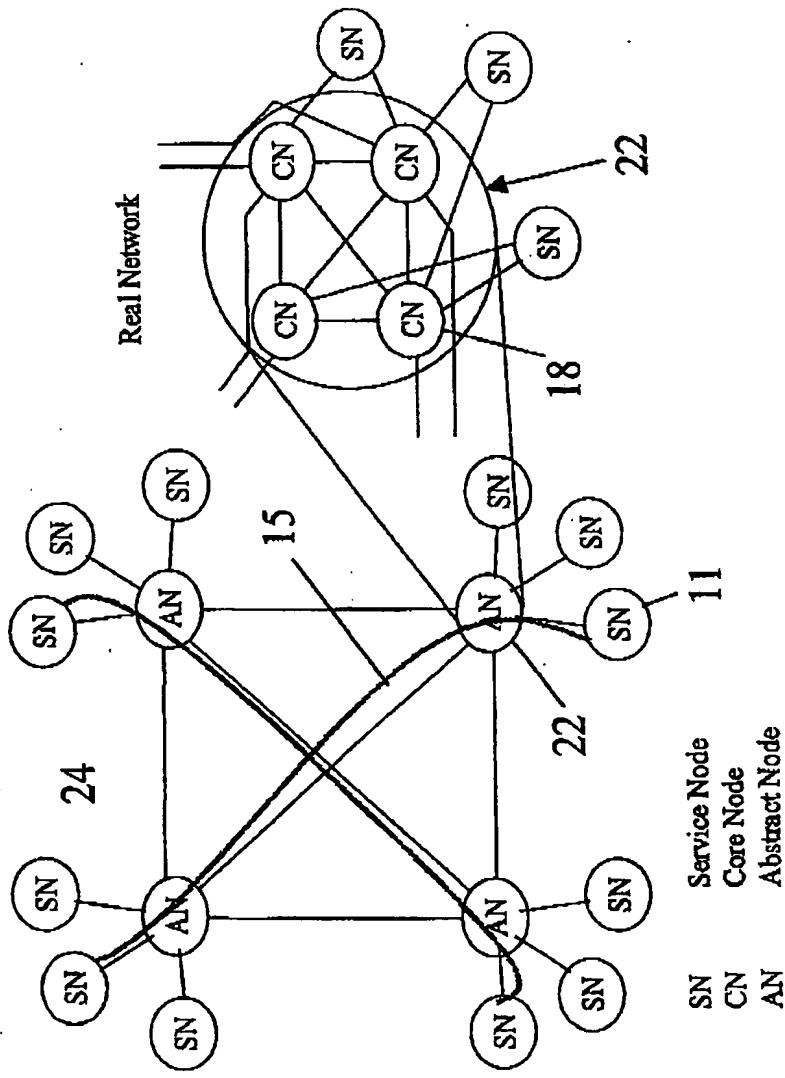


Fig.2

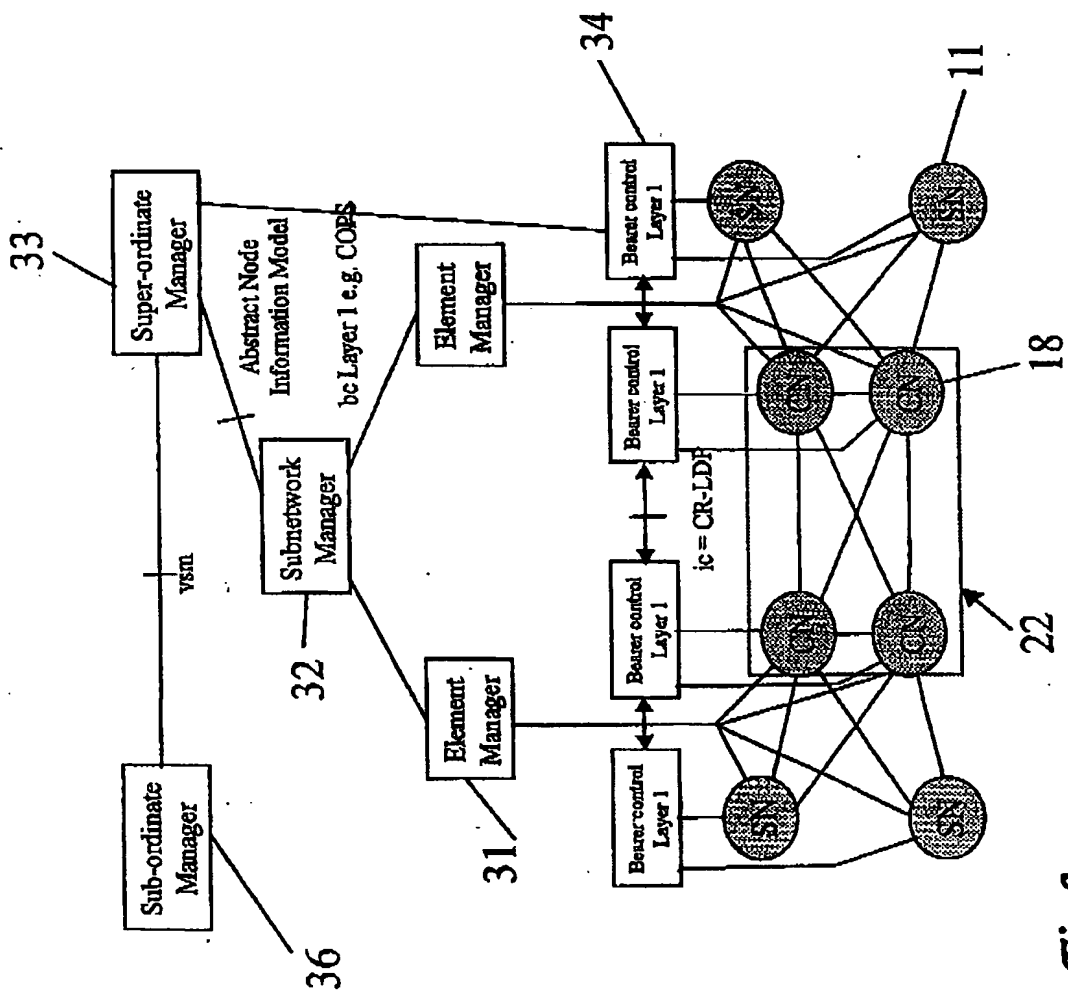


Fig.3

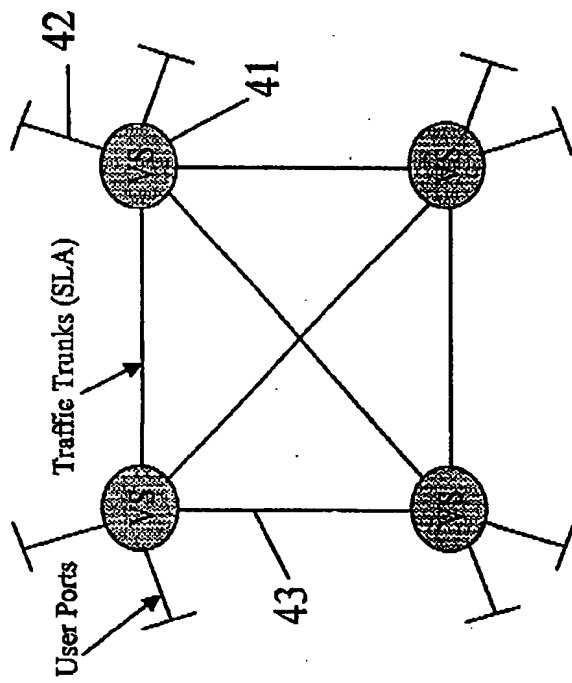
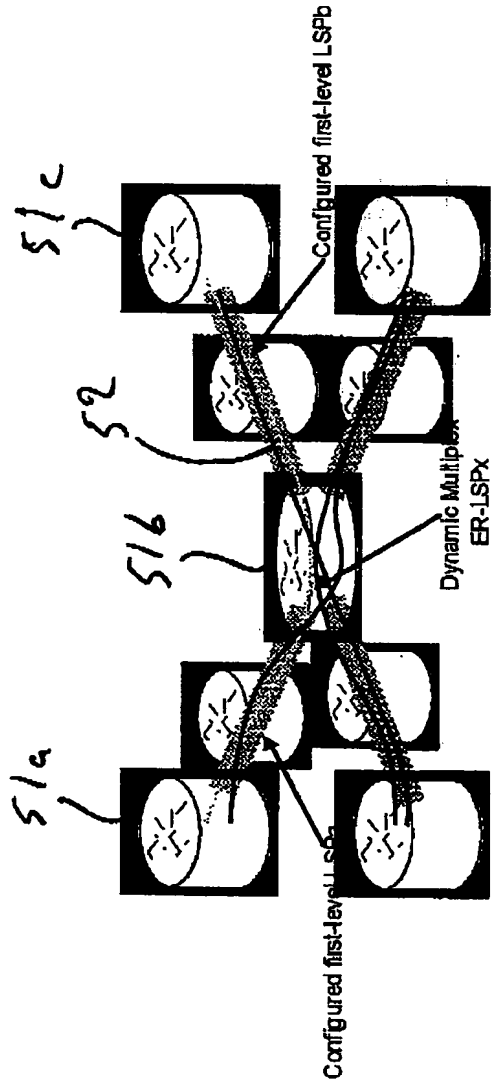
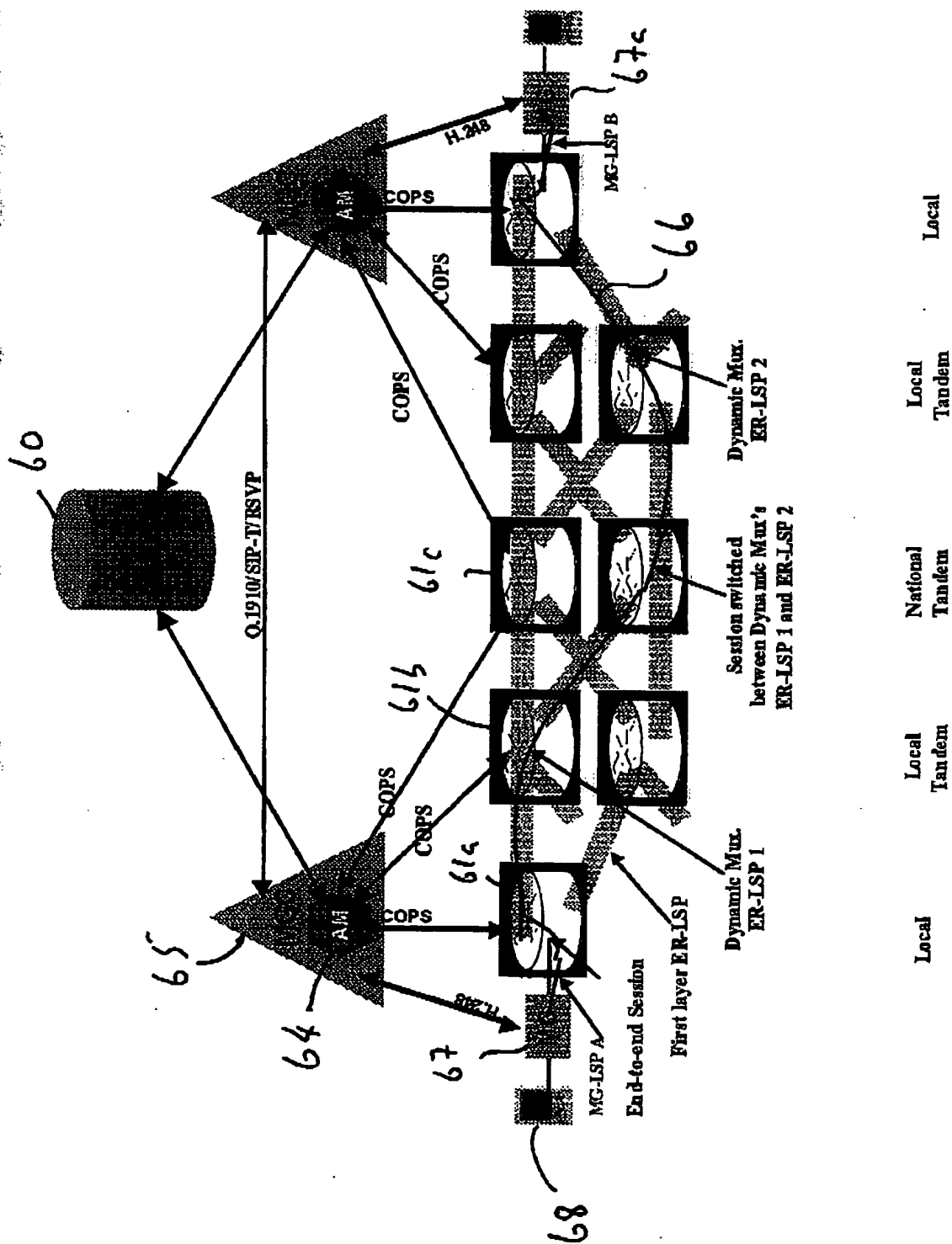


Fig. 4

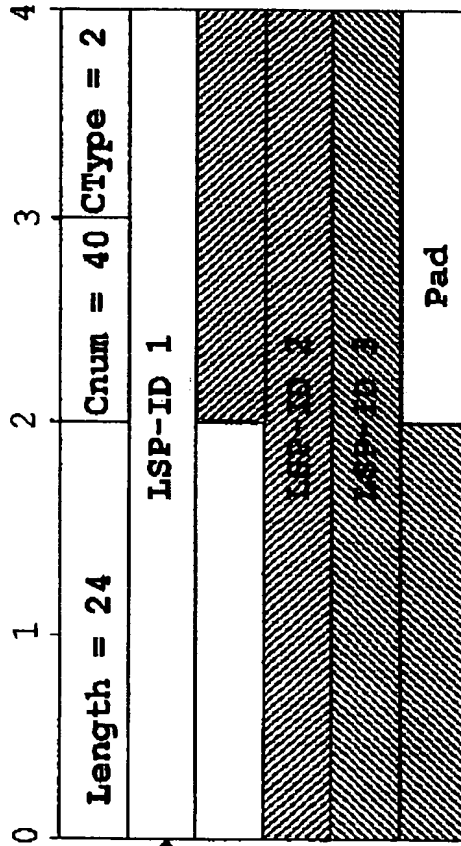
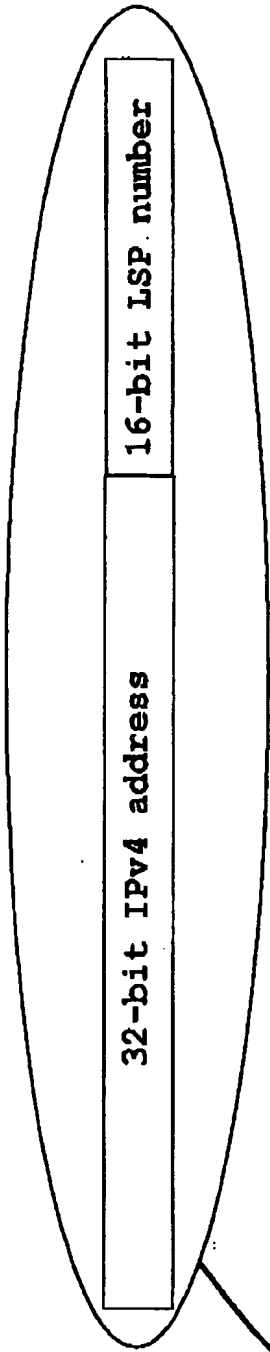


Dynamic Multiplex ER-LSP may be used to switch a new session if and only if the capacity contracts of LSP a and LSP b are not exceeded by this new request

Figure 5 Dynamic Multiplex ER-LSP



00000000 00000000



dy: sun 7

Figure 10 COPS Specific Object for LSP IDs

Direction of Packet Flow

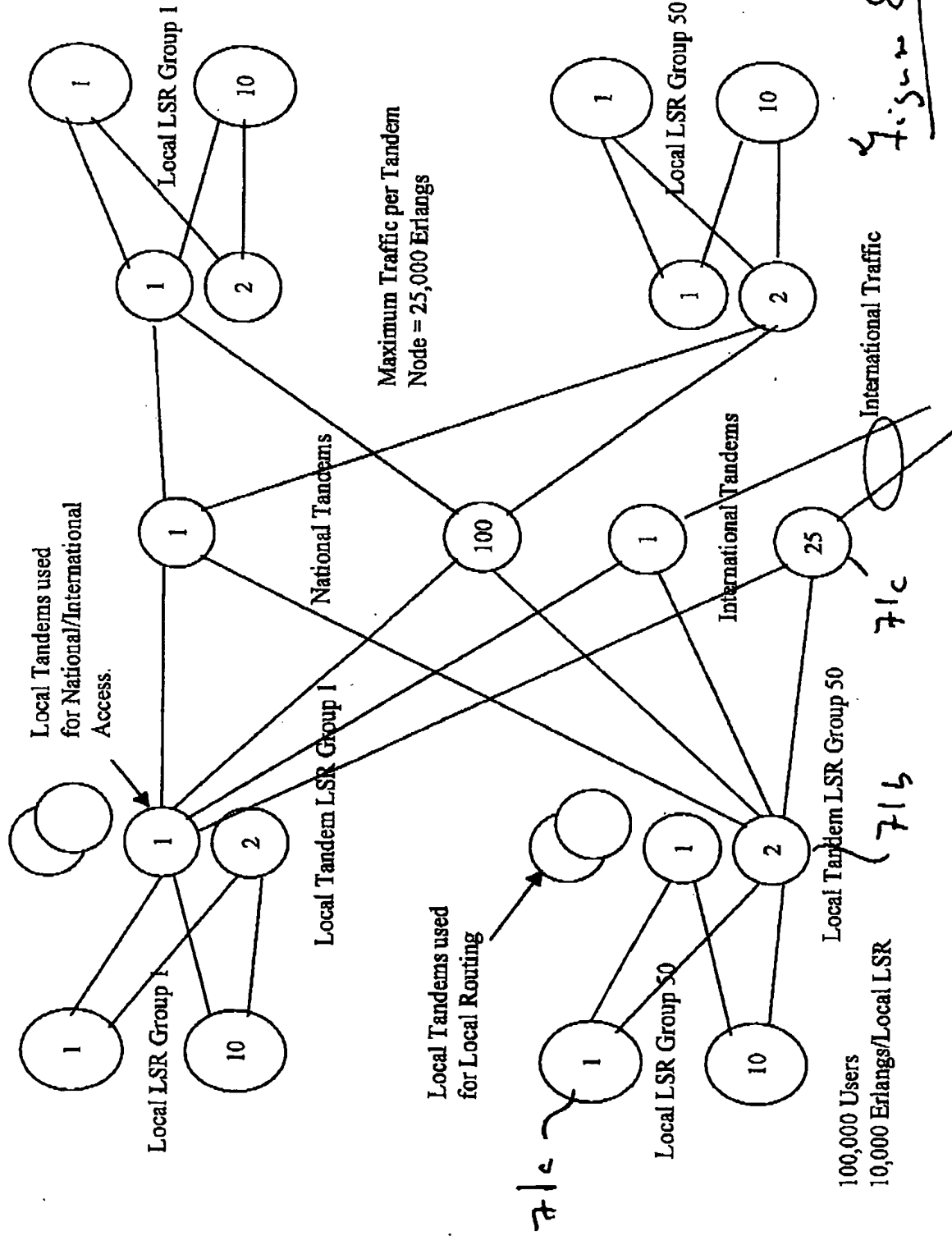


Figure 7 MPLS Network for Session Switching for Fifty Million US Users plus Fifty Million International Users

Diagram 81 illustrates a network architecture with four LSRs (Label Switched Routers) and four tunnels (A, B, C, D). Each LSR has a local MG-LSP (Multicast Group LSP) and a DM-LSP (Dynamic Multicast LSP). Tunnels A, B, C, and D connect the LSRs. Each tunnel has a corresponding label and payload structure. The diagram shows the flow of traffic from MG-LSP A through the tunnels to MG-LSP B.

The diagram is divided into two main sections, 61a and 61b, which show the flow of traffic from MG-LSP A through the tunnels to MG-LSP B.

Section 61a: Shows the flow of traffic from MG-LSP A through the tunnels to MG-LSP B. The traffic enters from the left, passes through the first LSR, and then through the tunnels to the second LSR. The traffic then passes through the third LSR and finally to the fourth LSR, where it is received by MG-LSP B.

Section 61b: Shows the flow of traffic from MG-LSP A through the tunnels to MG-LSP B. The traffic enters from the left, passes through the first LSR, and then through the tunnels to the second LSR. The traffic then passes through the third LSR and finally to the fourth LSR, where it is received by MG-LSP B.

The diagram illustrates the flow of traffic from MG-LSP A through the tunnels to MG-LSP B. The traffic enters from the left, passes through the first LSR, and then through the tunnels to the second LSR. The traffic then passes through the third LSR and finally to the fourth LSR, where it is received by MG-LSP B.

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Figure 8 Packet Formats on Ingress and Egress for Five-stage MPLS Network



Figure 9 Control Environment for Five-stage MPLS Network